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Fall 2015

## MATH 2124

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*University of New Orleans*

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# Syllabus for Math 2124-02

## (Calculus I—Fall 2015)

Instructor: Steven Shalit

Office: Math 232

Office hours: **In Math 105 (the Math Tutor Center):** TTh 11-12, 2-3; **In Math 232:** MW 5-6 and by appointment

E-mail: sshalit@uno.edu

Phone: 280-6110

Text: *Calculus*, 10<sup>th</sup> edition, by Larson/Edwards (the version customized for UNO), ISBN 978-1-305-00335, **plus** access to Enhanced WebAssign

Class meeting time: M-F 10:00-10:50 in Math 112 (this includes a Friday recitation session)

**NOTE:** This syllabus is subject to change.

### Student Learning Outcomes:

- Understand and apply integration techniques
- Understand and apply L'Hopital's Rule
- Determine convergence of infinite sequences and series
- Calculate and apply Taylor series
- Convert to and from polar coordinates
- Use dot and cross products

Prerequisite: The prerequisite is credit for Math 2114 with a grade of C or higher.

### Important Dates

(Also see the end of the syllabus)

Sept. 7	Labor Day, no class
Oct. 14	Last day to drop the class
Oct. 15, 16	Fall break, no class
Nov. 26, 27	Thanksgiving break, no class
Dec. 4	Last day of class

### Grading scale

A: 85-100%
B: 75-84%
C: 65-74%
D: 55-64%
F: 0-54%

Calculators: You are expected (but not required) to have a graphing calculator for this class. Your calculator should have the following capabilities:

- Plot the graph of a function within an arbitrary viewing window
- Find the zeros of functions (solve equations numerically)
- Numerically calculate the derivative of a function
- Numerically calculate the value of a definite integral

I will teach towards the TI-83, but you may use another calculator if you wish. I expect that you know how to use your calculator. A specific list of potential calculators is located at <https://apstudent.collegeboard.org/apcourse/ap-calculus-bc/calculator-policy>

Moodle: This is where most important documents (syllabus, homework list, practice exams, etc.) for the class are held. Moodle is accessible via [uno.mrooms3.net/login/index.php](http://uno.mrooms3.net/login/index.php)

Exams: There will be four in-class exams that together count for 46% of your grade. Exam days will be announced well ahead of time in class. The *tentative* dates for the exams are Sep. 15, Oct. 6, Oct. 28, and Nov. 24 but these are subject to change. A makeup test will only be given for extreme emergencies with a written notice and must be taken promptly. I do not plan on scaling or dropping any of the exams.

Expectations of students: Before each test, you should have read the corresponding materials thoroughly in the textbook and have completed all assignments covered by the test. *I expect you to do homework every night in this class.* If you don't, you will find yourself very far behind very quickly. Some material will be covered in class lectures and may not appear in the textbook, so you must make every effort to attend class, take notes, and ask questions (either in recitation, during office hours, or in the Math Tutor Center.)

Homework and quizzes: **Doing homework consistently is the best way to do well.** The list of textbook homework problems is on Moodle. In general, doing the EWA homework is not enough to do well on exams.

There will be both be graded homework in the class and in-class quizzes during the recitation sessions. Together these count for 20% of your grade. Much of the graded homework will be using Enhanced WebAssign (EWA), accessible via <https://www.webassign.net/login.html> though there may be some homework assignments that you will hand in and I will hand-grade. I plan on dropping the lowest 5 homework scores. Because of this I will not accept late homework—in general a missed homework or quiz will simply count as one of the dropped scores.

I posted a one-page guide to EWA on Moodle. Note the course code for this class is uno 4886 2441. I would advise looking over the lecture notes first, then doing the textbook homework (checking your answers in the back of the book), and then doing the graded homework. Students who do homework that way almost always do better in the class.

The quizzes will in general be the last 10-20 minutes of recitation. We will go over the quizzes the next day in class. I expect to drop the lowest two quiz grades. There will not be any make-up quizzes given.

Criteria for Graded Assignments: Assignments, tests, and exams that will be graded for partial credit must adhere to the following guidelines: All answers must be supported by work. No work generally means no credit. The final answer must be clearly marked. All answers must be exact (unless specified otherwise) and simplified completely.

How the class will be taught: The class will be taught in a lecture format, with questions from students being encouraged when time allows. Understand that this is a 4-credit class, meaning that more work is expected of you than would be in a 3-credit class. The recitation session will primarily be a chance to ask questions, with the last 10-20 minutes reserved for a quiz most weeks.

Attendance: Attendance will be taken daily. I expect that you will come to class every day, on time, and stay through the end of lecture. Most test questions are very similar to problems that we cover in class. If you miss more than 5 classes without valid excuses, I have the option of lowering your final course grade by 1 point for each additional missed class.

Advice on How to Study for Tests and Exams: The best way to study and prepare for tests and exams will be different for every student. Here are some recommended guidelines for successfully preparing for tests and exams:

- Work all homework problems out completely, showing all work, and keep this organized in a binder for easy reference.
- Before each test, time will be taken in class to review the test material. Use the in class review time to ask questions about any problems that you may have had trouble with.
- For any problems that you may have struggled with, go back to the homework and find similar problems. Practice these problems until you are able to complete them without any outside help (i.e. book, notes, etc.).

Extra Help: In addition to my office hours above and emailing me, you can always talk to me before or after class. In addition, there is free tutoring available in the Math Tutor Center (in Mathematics Building 105.)

Accommodations for Students with Disabilities: It is University policy to provide, on a flexible and individualized basis, reasonable accommodations to students who have disabilities that may affect their ability to participate in course activities or to meet course requirements. Students who seek accommodations for disabilities must contact the Office of Disability Services prior to discussing their individual needs for accommodation with their instructors.

Academic Dishonesty: Students are expected to conduct themselves according to the principles of academic integrity as defined in the statement on Academic Dishonesty in the UNO Student Code of Conduct. Any student or group found to have committed an act of academic dishonesty shall have their case turned over to the Office of Student Accountability and Advocacy for disciplinary action which may result in penalties as severe as indefinite suspension from the University. Academic dishonesty includes, but is not limited to cheating, plagiarism, fabrication, or misrepresentation, and being an accessory to an act of academic dishonesty. See <http://www.uno.edu/student-affairs-enrollment-management/documents/academic-dishonesty-policy-rev2014.pdf>

Student conduct: The University of New Orleans (UNO) is a multicultural community composed of diverse students, faculty and staff. UNO will not tolerate discrimination or harassment of any person or group of persons based on race, color, religion, sex, disability, national origin, age, sexual orientation, marital or veteran status or any other status protected by law. Each member of the university is held accountable to this standard, which is strongly reflected in this code.

Final exam: The final exam is comprehensive, departmental, and group-graded. It is scheduled for Monday Dec. 7<sup>th</sup> from 10am-1pm in a room to be determined. Anyone not taking this exam will automatically fail the class. It counts for 34% of your grade.

Grading: The in-class exams are worth 46% total, the graded homework is worth 10%, the quizzes are worth 10%, and the final exam is worth the remaining 34%.

### Important Dates

Last day to adjust schedule w/out fee	8/18/2015
Semester Classes Begin	8/19/2015
Last day to adjust schedule with fee or withdraw with 100% refund	8/25/2015
Last day to apply for December commencement	9/25/2015
Final day to drop a course or resign	10/14/2015
Commencement	12/18/2015

### Withdrawal Policy – Undergraduate only

Students are responsible for initiating action to resign from the University (withdraw from all courses) or from a course on or before dates indicated in the current Important dates calendar. Students who fail to resign by the published final date for such action will be retained on the class rolls even though they may be absent for the remainder of the semester and be graded as if they were in attendance. Failure to attend classes does not constitute a resignation. Check the dates on the Registrar's website, <http://www.registrar.uno.edu>. Please consult The Bulletin for charges associated with dropping and adding courses.

### Incomplete Policy – Undergraduate only

The grade of I means *incomplete* and is given for work of passing quality but which, because of circumstances beyond the student's control, is not complete. The issuance of the grade of I is at the discretion of the faculty member teaching the course. For all graduate and undergraduate students, a grade of I becomes a grade of F if it is not converted before the deadline for adding courses for credit (as printed in the Important Dates Calendar) of the next regular semester including summer semester.

### Repeat Policy

When a student is permitted to repeat a course for credit, the last grade earned shall be the one which determines course acceptability for degree credit. A student who has earned a C or better in a course may not repeat that course unless, (1) the catalog description indicates that the course may be repeated for credit, or (2) the student's Dean gives prior approval for documented extenuating circumstances.

### Graduate Policies

Graduate policies often vary from undergraduate policies. To view the applicable policies for graduate students, see the Graduate Student Handbook:

<http://www.uno.edu/grad/documents/GraduateStudentHandbook2014.pdf>

### Safety Awareness Facts and Education

Title IX makes it clear that violence and harassment based on sex and gender is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, etc. If you or someone

you know has been harassed or assaulted, you can find the appropriate resources here:

<http://www.uno.edu/student-affairs-enrollment-management/>

### UNO Counseling Services and UNO Cares

UNO offers care and support for students in any type of distress. Counseling Services assist students in addressing mental health concerns through assessment, short-term counseling, and career testing and counseling. Find out more at <http://www.uno.edu/counseling-services/>. First-year students often have unique concerns, and UNO Cares is designed to address those students succeed. Contact UNO Cares through <http://www.uno.edu/fye/uno-cares.aspx>.

### Emergency Procedures

Sign up for emergency notifications via text and/or email at E2Campus Notification:

<http://www.uno.edu/ehso/emergency-communications/index.aspx>. All emergency and safety procedures are explained at the Emergency Health and Safety Office:

<http://www.uno.edu/ehso/>.

### Diversity at UNO

As the most diverse public university in the state, UNO maintains a Diversity Affairs division to support the university's efforts towards creating an environment of healthy respect, tolerance, and appreciation for the people from all walks of life, and the expression of intellectual point of view and personal lifestyle. The Office of Diversity Affairs promotes these values through a wide range of programming and activities. <http://diversity.uno.edu/index.cfm>

### Learning and Support Services

Help is within reach in the form of learning support services, including tutoring in writing and math and other supplemental instruction. Visit the Learning Resource Center in LA 334, or learn more at <http://www.uno.edu/lrc/>.

### Affirmative Action and Equal Opportunity

UNO is an equal opportunity employer. The Human Resource Management department has more information on UNO's compliance with federal and state regulations regarding EEOC in its Policies and Resources website: <http://www.uno.edu/human-resource-management/policies.aspx>

WEEK OF		Sections Covered
August	17	Calc 1 review, 7.1
	24	7.1, 7.2, 7.3
	31	7.4, 8.1, 8.2, 8.3
September	7	8.3, 8.4, 8.5
	14	Review, <b>Exam 1</b> , 8.5, 8.7
	21	8.7, 8.8, 9.1
	28	9.1, 9.2, 9.3, 9.4
October	5	Review, <b>Exam 2</b> , 9.4, 9.5
	12	9.6, 9.8
	19	9.8, 9.10, 9.7
	26	9.7, 10.1, review, <b>Exam 3</b> , 10.1, 10.2
November	2	10.2, 10.3, 10.4
	9	10.4, 10.5, 11.1, 11.2
	16	11.2, 11.3, 11.4

23	Review, <b>Exam 4</b> , 11.4
30	11.4, 11.5, review